

# Module2 - R Markdown Document-1

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## This is a level 1 header

### R Markdown

#### This is level 3 header

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

Here is a link to google

Here is a word in **bold** and an other in **bold**

Here is a word in *Italics* and an other in *Italics*

When we compile our document, we are using the `rmarkdown` package

Here are some example R commands:

```
2+2  
mean(c(1,2,3,4,5))
```

Here is an example of a non-numbered list:

- Breakfast
  - food
    - \* eggs
    - \* toast
    - \* bacon
  - drink
    - \* apple juice
- Lunch
  - taco
- Dinner
  - baked chicken
  - broccoli
  - rice

Here is an example of a numbered list:

1. Breakfast
  - a. food
    - i. eggs
    - ii. toast
    - iii. bacon
  - b. drink
    - i. apple juice
2. Lunch
  - a. taco
3. Dinner
  - a. baked chicken
  - b. broccoli
  - c. rice

Here is an example of a blockquote:

This is a block quote. This paragraph has two lines.

1. This is a list inside a block quote.
2. Second item.

Here is an example of a nested blockquote:

This is a block quote. This paragraph has two lines.

This text is nested

Here is an example of code in a blockquote:

```
2+2
mean(c(1,2,3,4,5))
```

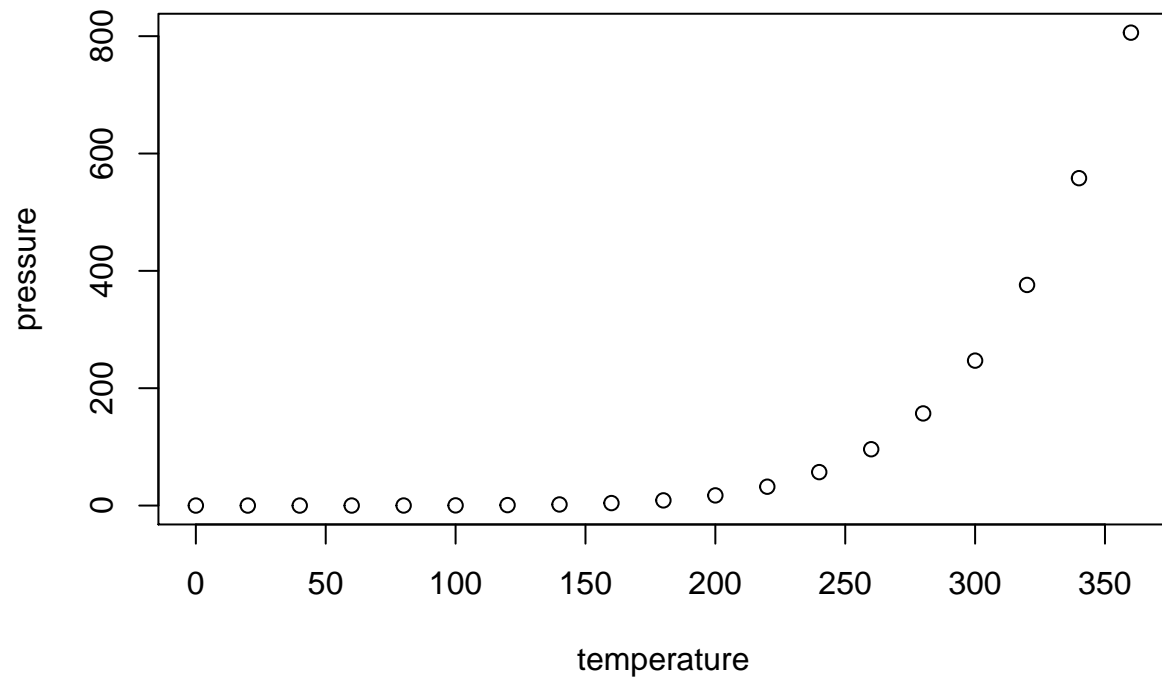
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

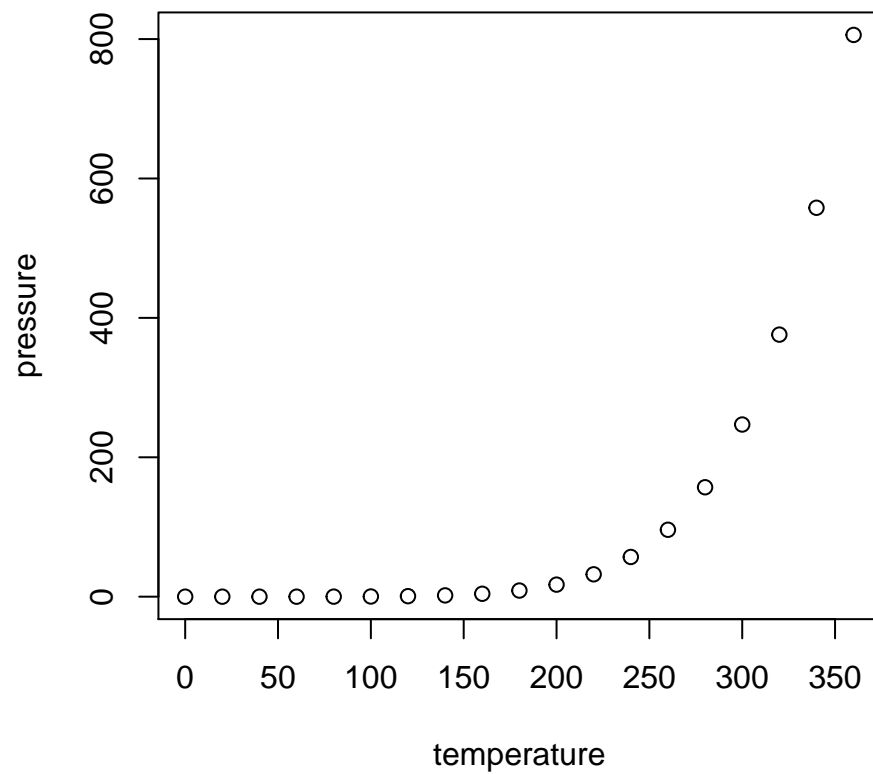
```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
##  1st Qu.:12.0    1st Qu.: 26.00
##  Median :15.0    Median : 36.00
##  Mean   :15.4    Mean   : 42.98
##  3rd Qu.:19.0    3rd Qu.: 56.00
##  Max.   :25.0    Max.   :120.00
```

## Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.



## Insert tables

```
knitr::kable(head(cars),
               caption = "Top 6 rows of car dataset")
```

Table 1: Top 6 rows of car dataset

speed	dist
4	2
4	10
7	4
7	22
8	16
9	10

## Insert equation

$$y = \beta_0 + \beta_1 x$$

## insert image

Here is an image inserted

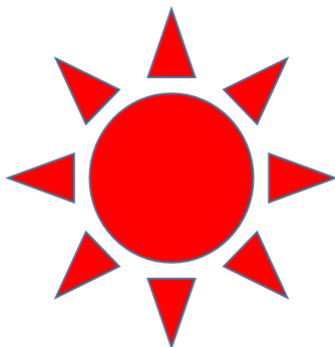


Figure 1: sunstar

## insert text with some footnotes

here is reference footnote <sup>1</sup> and another <sup>2</sup>

Here is an inline footnote <sup>3</sup>

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<sup>1</sup>here is the footnote

<sup>2</sup>here is one with multiple blocks

<sup>3</sup>inline note are easier to write, since no need to pick an identifier